

FORM PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98**

Docket Number: Serial Number:

4015-5161

Applicant:

Cairns, et al.

Filing Date:

Group:

U. S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subcl	Filing Date If Approp.
/AF/	A 6,529,545	2003	Tirola, et al.			
/AF/	B 6,470,044	2002	Kowalski			
/AF/	C 6,101,399	2000	Raleigh, et al.			
/AF/	D 5,809,020	1998	Bruckert et al.			

FOREIGN PATENT DOCUMENTS

	Patent No.	Date	Name	Class	Subcl	Translation Yes	No
/AF/	E WO 01/01595	2001	Wang, et al.				
/AF/	F EP 1 300 999	2001	Maddlotto				

OTHER DOCUMENTS (including author, title, date, pages, etc.)

/AF/	G US 2003/0035468; System and Method for Adjusting Combiner Weights Using an Adaptive Algorithm In Wireless Communications Systems; Feb. 20, 2003;
/AF/	H US 2002/0150176; Method and Device for the Estimation of a Propagation Channel From Its Statistics; Chevalier, et al.; Oct. 17, 2002
/AF/	I US 2002/0122470; Method and Apparatus for Providing Blind Adaptive Estimator and Reception; Heikkila; Sept. 5, 2002
/AF/	J US 2002/0080863; Adaptive Generalized Matched Filter RAKE Receiver System and Method; Nielsen; Jun. 27, 2002
/AF/	K 2002/0057735; Optimizing of Channel Equalizer; Piirainen; May 16, 2002.
/AF/	L Kutz, et al.; On the Performance of a Practical Downlink CDMA Generalized RAKE Receiver; 2002 IEEE; 5 pgs.
/AF/	M Kutz, et al.; Low Complexity Implementation of a Downlink CDMA Generalized RAKE Receiver; 2002 IEEE; 5 pgs.
/AF/	N Response to Novelty Search for "Parameter Estimation in a Generalized RAKE Receiver"; 16 pgs.

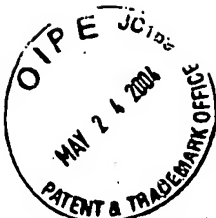
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04/12/2007

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Sheet 1 of 1

FORM PTO-1449

Docket Number: 4015-5161
Serial Number: 10/800,167INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98Applicant: Cairns, et al.
Filing Date: March 12, 2004
Group:U. S. PATENT DOCUMENTS

Examiner					Filing Date		
Initial	Patent No.	Date	Name	Class	Subcl	If Approp.	
/AF/	A 6,714,585	2004	Wang et al.				
/AF/	B 6,683,924	2004	Ottosson et al.				
/AF/	C 6,363,104	2002	Bottomley				
/AF/	D 5,572,552	1996	Dent et al.				

FOREIGN PATENT DOCUMENTS

					Translation	
Patent No.	Date	Name	Class	Subcl	Yes	No

OTHER DOCUMENTS (including author, title, date, pages, etc.)

/AF/	E	US 2001/0028677; Wang et al.; Apparatus and Methods for Finger Delay Selection in Rake Receivers; Oct. 11, 2001
/AF/	F	Bottomley et al.; A Generalized RAKE Receiver for Interference Suppression; IEEE Journal on Selected Areas in Communications; Vol. 18, No. 8, August 2000; 10 pgs.

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DATE for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/800167
Filing Date	March 12, 2004
First Named Inventor	Cairns
Art Unit	2631
Examiner Name	
Attorney Docket Number	4015-5161/P18204-US1

Sheet	1	of	2
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/800167	
			Filing Date	March 12, 2004	
			First Named Inventor	Cairns	
			Art Unit	2631	
			Examiner Name		
Sheet	2	of	2	Attorney Docket Number	4015-5161/P18204-US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/AF/	2	TANTIKOVIT et al., "Joint Multipath Diversity Combining and MLSE Equalization (Rake-MLSE Receiver) for WCDMA Systems," 51 st IEEE Vehicular Technology Conference Proceedings, May 15, 2000, pp. 435-439, Vol. 1 of 3.	
/AF/	3	TANTIKOVIT et al., "On Combining Schemes for W-CDMA RAKE Reception in the Presence of Interpath Interference," 3 rd IEEE Signal Processing Workshop on Signal Processing Advances in Wireless Communications, March 20, 2001, pp. 5-8.	
/AF/	4	TANTIKOVIT et al., "A Unified View of RAKE Reception and Its Application on Receiver Designs for Multimedia Capable Mobile Terminals in W-CDMA," IEICE Trans. Commun., October 2002, pp. 1944-1*56, Vol. E85-B, No. 10.	

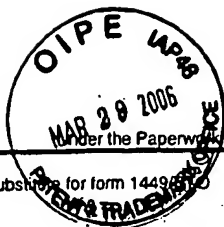
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				Application Number	11/800167
				Filing Date	March 12, 2005
				First Named Inventor	Calms
				Art Unit	2631
				Examiner Name	TBA
Sheet	1	of	1	Attorney Docket Number	4015-5161/P18204-US1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/AF/		CAIRNS, D. et. al., "Low Complexity Parameter Estimation For The Generalized Rake Receiver." 2004 IEEE 11 th Digital Signal Processing Workshop & IEEE Signal Processing Education Workshop. August 1-4, 2004. pp.191-195.	
/AF/		BOTTOMLEY, G. et. al., "A Generalized Rake Receiver For DS-CDMA Systems." 2000 IEEE 51 st Vehicular Technology Conference Proceedings on May 15-18 2000 in Toyko, Japan and New York, New York. May 15, 2000. pp. 941-945. Volume 2 of 3.	
/AF/		WANG, YI-PIN and BOTTOMLEY, G., "Generalized RAKE Reception for Canceling Interference from Multiple Base Stations." 2000 Vehicular Technology Conference on September 24-28, 2000 in Piscataway, New Jersey. September 24, 2000. pp. 2333-2339. Volume 5.	

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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/AF/		US-2005/0201447 A1	09/15/2005	Calms et. al.	
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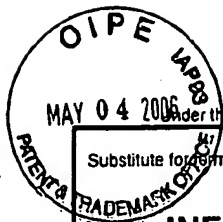
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
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/AF/		LENARDI, M. and SLOCK, D., "A RAKE Structured SINR Maximizing Mobile Receiver for the WCDMA Downlink." In Proc. 31 st Asilomar Conference on Signals, Systems and Computers, 2001, pp. 410-414.	
/AF/		JAROSCH, A. and DAHLHAUS, D., "Linear Space-Time Diversity Receivers for the Downlink of UMTS with WCDMA." European Trans. Telecommunications, September/October 2001, 13 pages, Volume 12, No. 5. (Preprint Copy Enclosed and Available at http://www.nari.ee.ethz.ch/mobileradio/pubs/files/ett01.pdf)	

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